

CLAIMS

1. System for selection and transport of an object out of a plurality of objects in an operation area comprising a system for detection of objects present in the operation area and an industrial robot including a manipulator and an operating system having a computer memory for storing information on the objects present in the operation area, **characterized in** that the operating system comprises means for defining a transport direction of each object in the operation area, means for defining a passageway along the transport direction of each of said object, and means for calculating the presence of other objects penetrating into each of said passageways.
2. Method of selecting an object out of a plurality of objects in an operation area for transport to a predetermined location comprising, detection of the objects present in the operation area, storing object and location information in a computer memory, selecting an object to be picked, **characterized in** that the selecting step comprises; defining a transport direction for each of the objects present in the operation area, defining a passageway along the transport direction of each of said objects, calculating for each passageway the presence of penetration of any other of said present objects, selecting an object which passageway is free from penetration.